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	CDR1				CDR2				
	10	20	30	40	50	60			
CGS1	QVQLVESGGGLVQPGGSLRLSCA <sup>1</sup> VS <sup>2</sup> GF <sup>3</sup> TF <sup>4</sup> S				SYAMS		WVRQAPGKGLEWVS	AISGSGGSTYYADSVKG	
CGS2	EVQLVESGGGLVQPGGSLRLSCA <sup>1</sup> AS <sup>2</sup> GF <sup>3</sup> TF <sup>4</sup> S				SYAMS		WVRQAPGKGLEWVS	AISGSGGSTYYADSVKG	
	CDR3								
	70	80	90	98					
CGS1	RFTISRDN <sup>1</sup> SKNTLYLQ <sup>2</sup> MNSLRAEDTAVYYCAR				<u>SLPK</u>				WGQGTLLVTVSR
CGS2	RFTISRDN <sup>1</sup> SKNTLYLQ <sup>2</sup> MNSLRAEDTAVYYCAR				GVGA <sup>1</sup> FRPYRKHE				WGQGTLLVTVSR

FIG. 1A



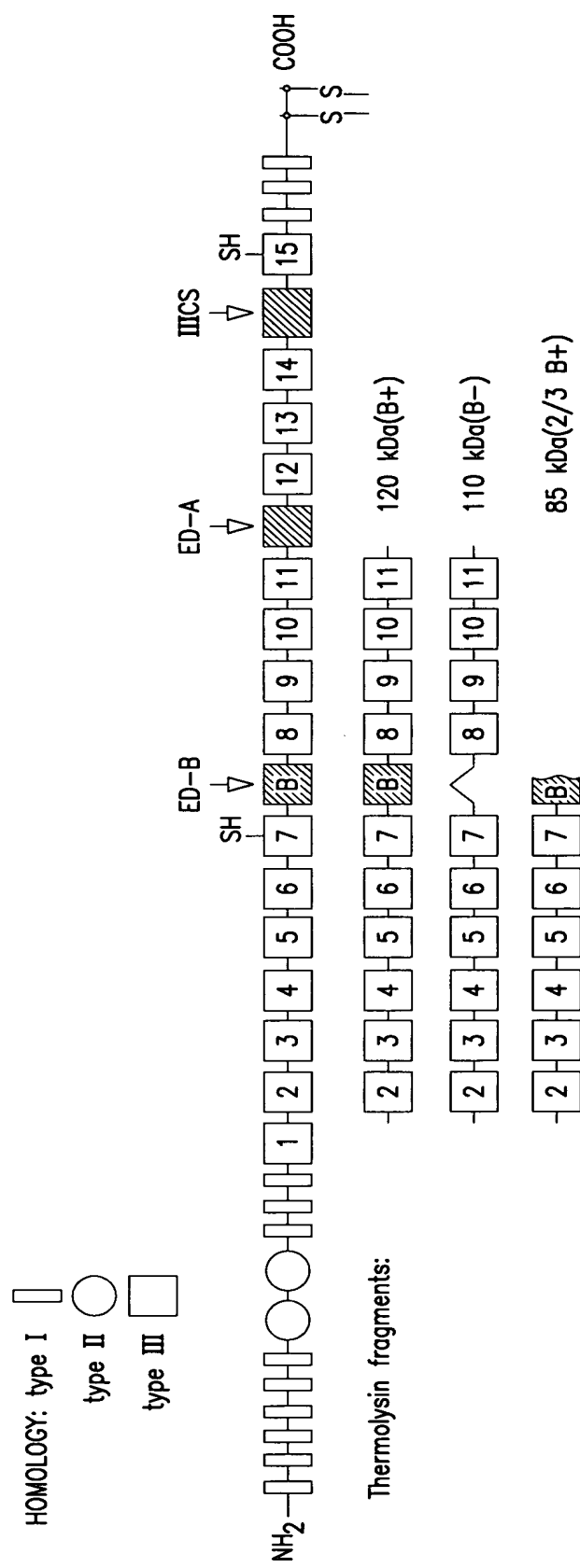
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	CDR1					CDR2	
	10	20	30	40	50		
CGS1	SSELTQDPAVSV <del>ALGQ</del> TVRITC QGDSLSRSYYAS WYQ <del>QKPGQ</del> APVLVIY GKNNRPS						
CGS2	SSELTQDPAVSV <del>ALGQ</del> TVRITC QGDSLSRSYYAS WYQ <del>QKPGQ</del> APVLVIY GKNNRPS						

	CDR3				
	60	70	80	90	100
CGS1	GIPDRFSGSSSGNTASLTTTGAQAEDEADYYC NSSPVLNGV FGGIKLTVLG				
CGS2	GIPDRFSGSSSGNTASLTTTGAQAEDEADYYC NSSPFFHNLV FGGIKLTVLG				

FIG. 1B



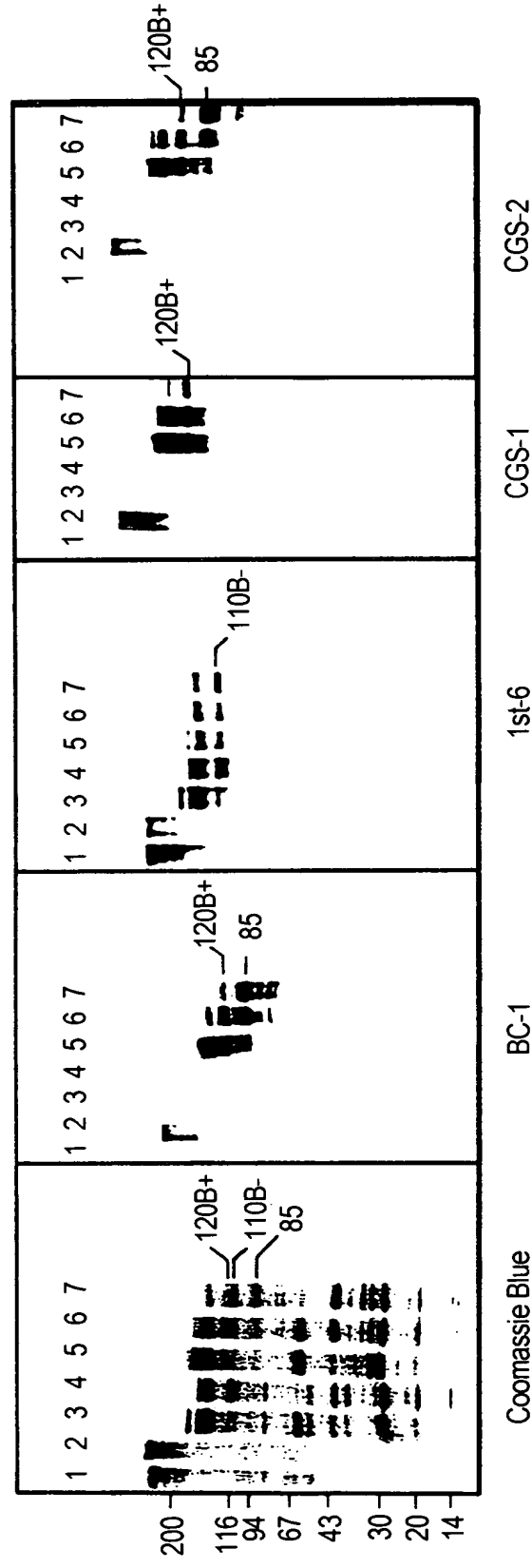


FIG. 2B



	CGS-1	CGS-2	BC-1	IST-6
1	-	-	-	+
2	+	+	+	-
3	-	-	-	+
4	+	+	+	-
5	-	+	-	-
6	-	+	-	-

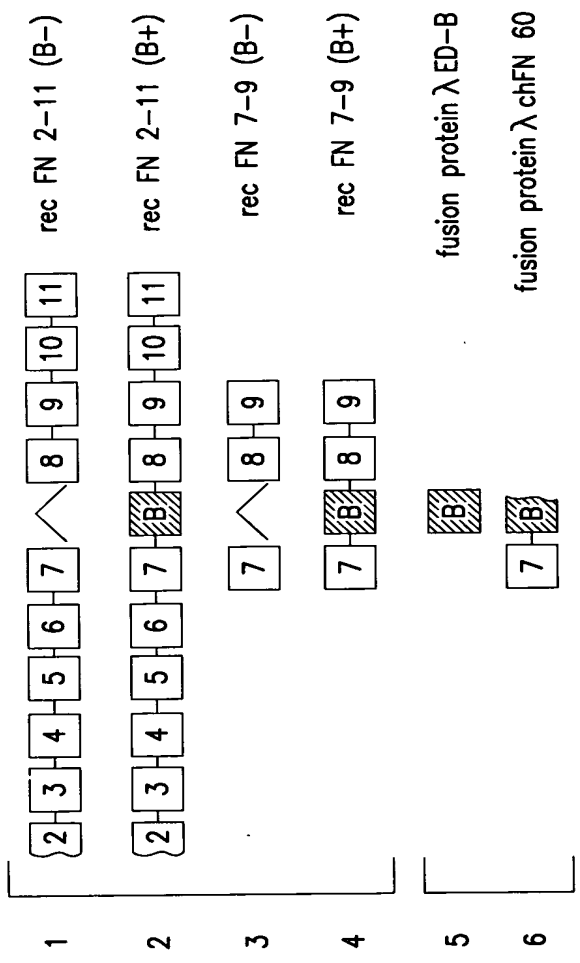


FIG. 3A

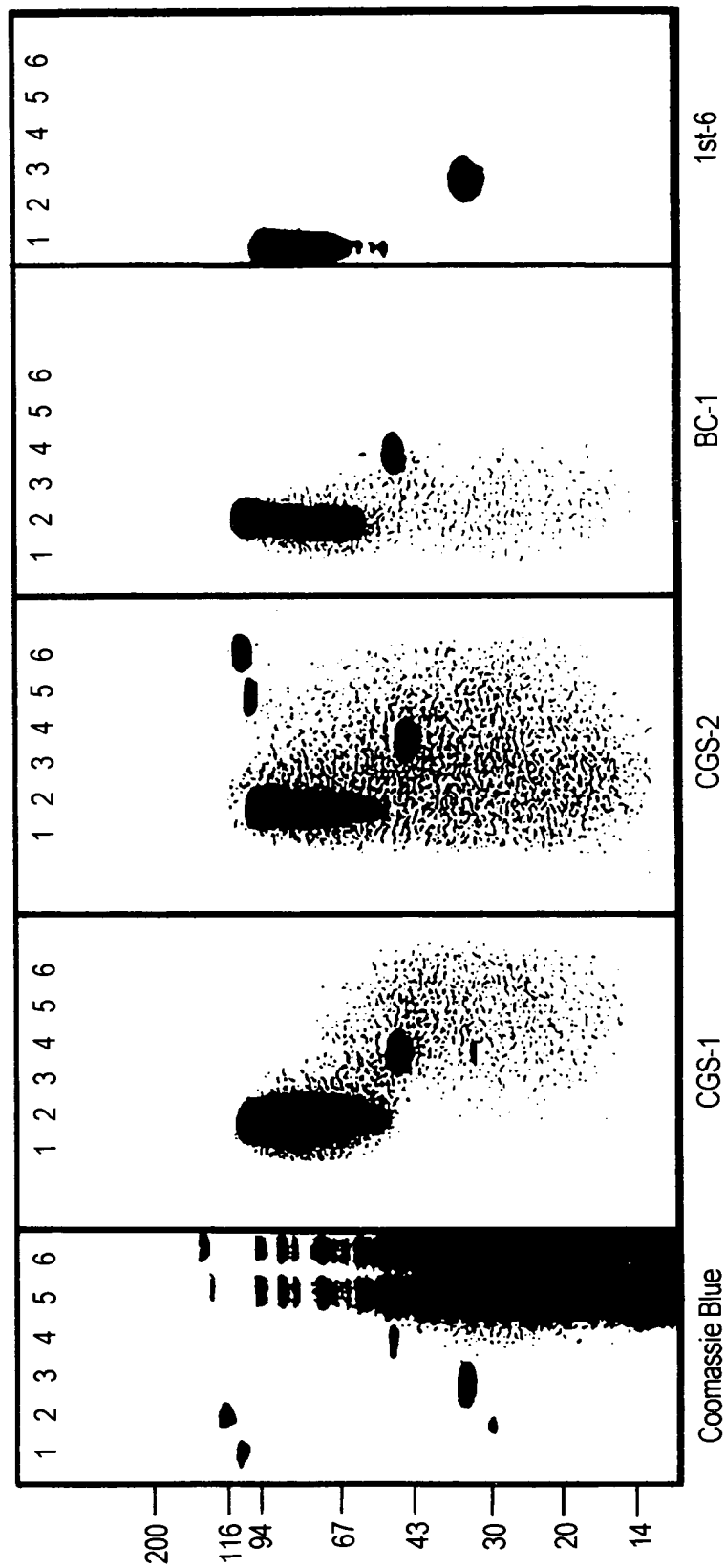
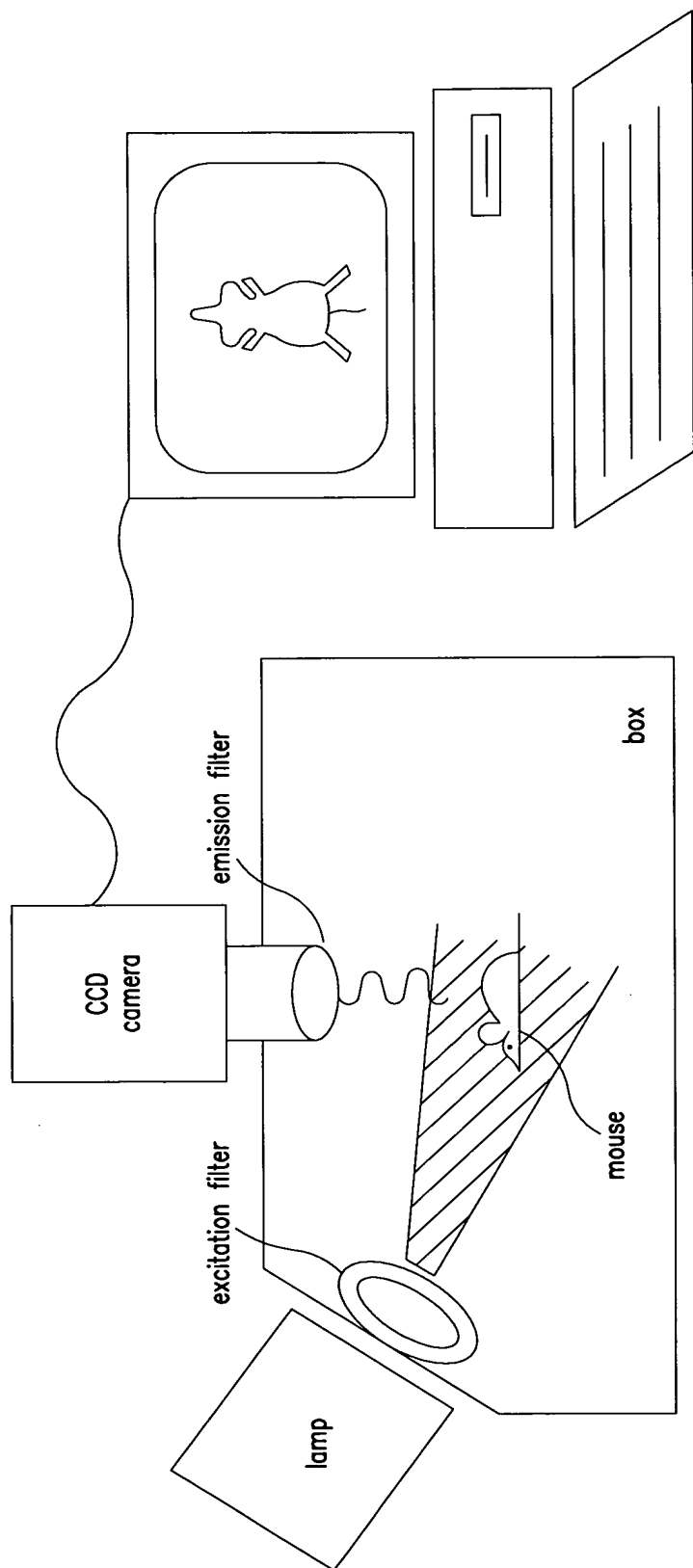


FIG. 3B



**FIG. 4**

24 h 48 h

scFv(28SI)

t t

b

scFv(CGS-2) [large necrotic tumour]

t t

b

scFv(CGS-2) [small tumour]

t t

b

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1129 U.S. PRO

24 h

48 h

72 h

scFv(CGS-1)

t

t

t

b

scFv(CGS-1)<sub>2</sub>

t

t

t

b

scFv(D1.3)<sub>2</sub>

t

t

t

b

t = tumour

b = bladder